

Accessibility on Demand

ABSTRACT OF THE DISCLOSURE

Accessibility profiles are created for different environments, application programs, and system functions. Environmental conditions may include time of day, telephone numbers dialed, caller ID, level of background noise, etc. Users can define accessibility profiles for each program they use, which determine preferred speaker volume settings, display settings, keyboard and keypad characteristics, and may automatically invoke companion programs such as voice recognizers, text-to-speech converters, and gesture recognizers. Accessibility profiles are organized and stored in a processor-readable repository, and are retrieved upon user activation of an application program or system function such as a word processor, auto-dialer, e-mail reader, etc. The system parses the appropriate accessibility profile, adjusts the available system accessibility settings, and launches any associated companion programs. The user can also select and enable a certain accessibility profile by selecting a menu option or GUI icon, or by operating a system button such as a toggle switch.